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(71) Applicant: **CANON KABUSHIKI KAISHA**
Tokyo (JP)

(72) Inventors:
• **Tsuzuki, Hidetoshi**
Ohta-ku, Tokyo (JP)
• **Kamio, Masaru**
Ohta-ku, Tokyo (JP)
• **Okada, Shinjiro**
Ohta-ku, Tokyo (JP)
• **Tsuboyama, Akira**
Ohta-ku, Tokyo (JP)

- **Tokunaga, Hiroyuki**
Ohta-ku, Tokyo (JP)
- **Tomono, Haruo**
Ohta-ku, Tokyo (JP)
- **Sato, Koichi**
Ohta-ku, Tokyo (JP)
- **Matsuo, Yuji**
Ohta-ku, Tokyo (JP)
- **Katakura, Kazunori**
Ohta-ku, Tokyo (JP)
- **Yokoyama, Yuko**
Ohta-ku, Tokyo (JP)

(74) Representative:
Beresford, Keith Denis Lewis et al
BERESFORD & Co.
2-5 Warwick Court
High Holborn
London WC1R 5DJ (GB)

(54) **Liquid crystal device and liquid crystal apparatus**

(57) A liquid crystal device is constituted by a pair of electrode plates and a liquid crystal composition disposed between the electrode plates. At least one of the electrode plates comprises a light-transmissive substrate, a plurality of electrodes including principal electrodes and auxiliary electrodes supported on the light-transmissive substrate, and an insulating layer. Each auxiliary electrode is disposed between an associated principal electrode and the light-transmissive substrate so as to be electrically connected with at least a part of the associated principal electrode, and the auxiliary electrodes being disposed with spacings therebetween which are filled with the insulating layer. The liquid crystal composition comprises at least one species of a fluorine-containing mesomorphic compound comprising a fluorocarbon terminal portion and a hydrocarbon terminal portion, the terminal portions being connected with a central core, and having smectic mesophase or latent smectic mesophase. The combination of the above specific cell structure and the specific liquid crystal compo-

sition is effective in improving display quality (e.g., contrast) while minimizing a voltage waveform deformation.

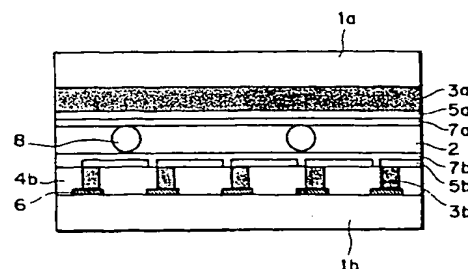


FIG. 1

EP 0 814 142 A3



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DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.6)
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X A	--- US 5 282 068 A (INABA YUTAKA) 25 January 1994 * column 2, line 47 - column 4, line 33; figure 6 *	34, 35, 37, 38 25-27, 29-33	C09K G02F
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The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 18 September 1998	Examiner Stang, I
CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document		T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document	

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DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.6)
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The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 18 September 1998	Examiner Stang, I
<p>CATEGORY OF CITED DOCUMENTS</p> <p>X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document</p> <p>T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document</p>			

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